ABSTRACT OF THE DISCLOSURE

A light source device equipped with a concave reflector having an open front end section. Installed in the light source device is a light source having a light emitting unit. The unit is positioned on a focal point of the reflector. A cover is attached to the open front end section of the reflector to cover the open front end section. The cover has an air inflow opening provided at a side section thereof in relation to the open front end section. At least a part of the cover is made of a transparent material. The part is a light passage through which light emitted by the light source and reflected by the reflector passes. The light source device is further equipped with a fan having an air outflow opening. The fan is provided so that airflow created by the fan and blown through the air outflow opening is directed to the air inflow opening of the cover, without obstructing the light passing through the light passage. An air control unit is provided between the air outflow opening of the fan and the air outflow opening of the cover. The air control unit controls the airflow blown through the air outflow opening of the fan so that it is flown into the reflector through the air inflow opening of the cover and directed at least to one specific section of the light source, thus cooling the specific section.